

Plan View, Profile, & Cross Section Labeler

RWD CADD
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Labeling Dialog

Introduction – Labeling

This help file gives instructions on how to use Geopak's Plan View & Cross Section Labeling Dialog Boxes. The Dialog's are very helpful placing text on the plotted cross-sections in the cross-section working files and Placing text on the plan views for ROW, etc.

Plan View Labeler Dialog Box

GEOPAK - Plan View Labeler - Style: ...\bin\def_plan.lsf -> Unnamed Style

Style Files Options Scale Tools

Text Params. Shape Leader Rotate Styles


Job No. Select ☒ Computed Inserts ☐ User Inserts

Element: Point

Chain Select

TIN File File

Label Feature



Computed Text

- X Coordinate
- Y Coordinate
- Z Elevation GPK
- Z Elevation TIN
- Z Elevation Modeler
- Station
- Partial Station

Value = Not Available

Space Return

Clear Delimit

Place Label

Profile Labeler Dialog Box

GEOPAK - Profile Labeler - Style: def_prof.lsf -> Unnamed Style

Style Files Options Scale

Text Params. Shape Leader Rotate Styles

Job No. 98 Select ☒ Computed Inserts ☐ User Inserts


Element:

Chain H98L Select

Profile PP98L Select

Profile Settings

Label Feature



Computed Text

- Profile Station
- Profile Partial Station
- Point Elevation
- Point Profile Elevation
- Profile Grade % @ Point
- Chain Name
- Profile Name

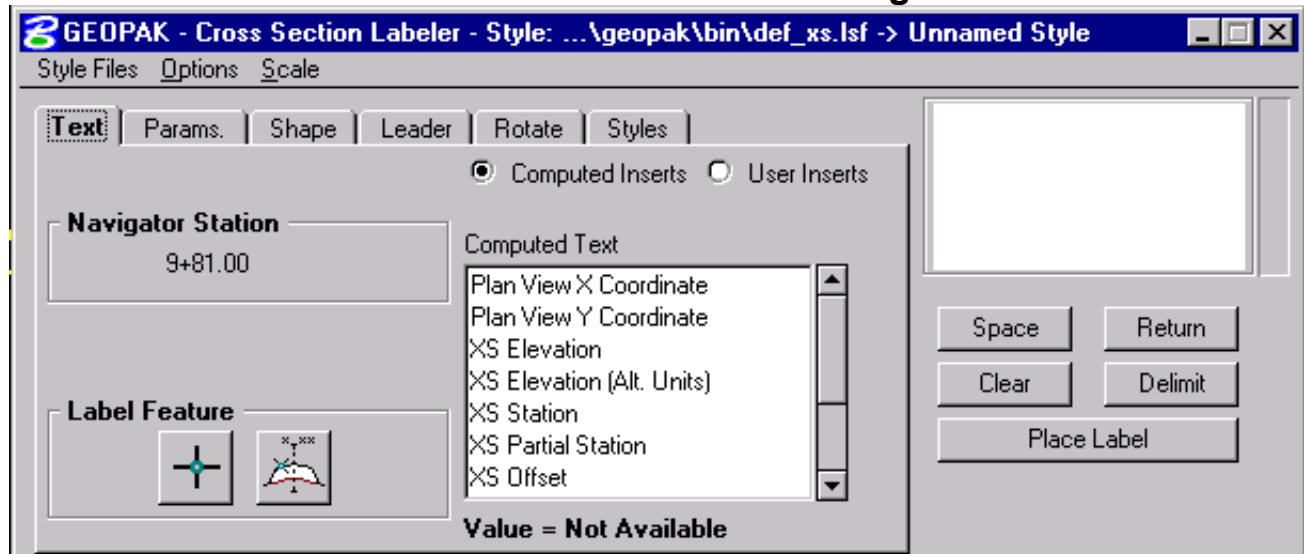
Value = Not Available

Space Return

Clear Delimit

Place Label

Cross Section Labeler Dialog Box



Plan View Labeling

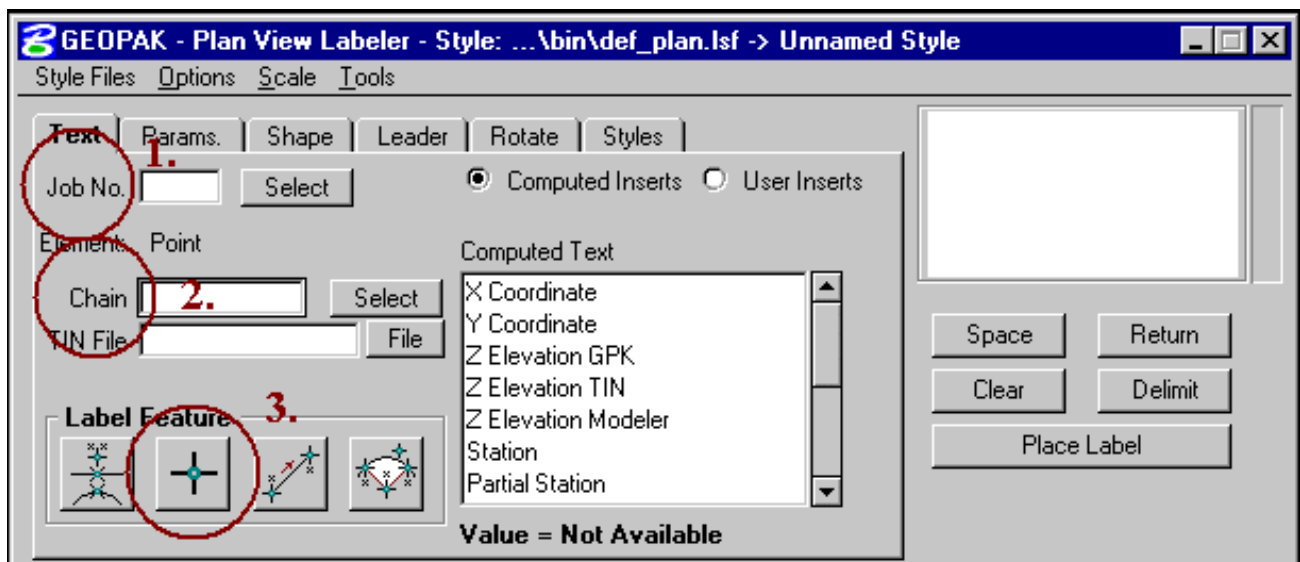
Instructions

Open the Plan View Labeling dialog from the Applications>Geopak Road>Plans Preparation>Plan View Labeling or if you have the Geopak Tools Palette select the icon for Plan View Labeling.

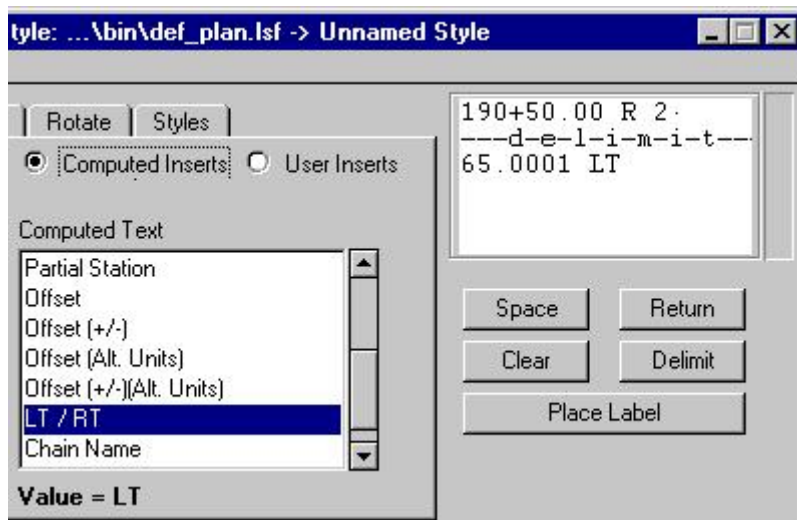


Text Tab

1. Enter the Job Number (1) and the Chain (2). If you have a tin file, you can also enter it here. Hit the DP button (3) and select your data point in the design file.



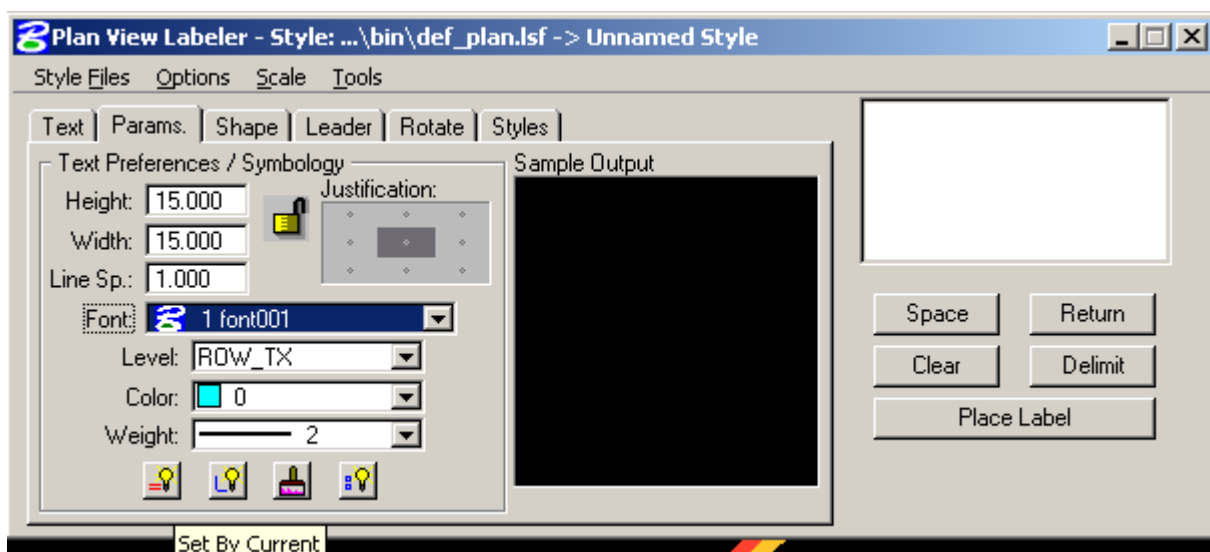
2. Once you enter your data point you can now select any of the inserts that you would like to use. The computed inserts are determined by Geopak and the User inserts is just a text file that have no computed value. Select the ones that you would like to use by double clicking on them. You will see the values at the bottom and in the window.



3. At this time, do not place the label until you have set the parameters, shapes, leaders, etc.

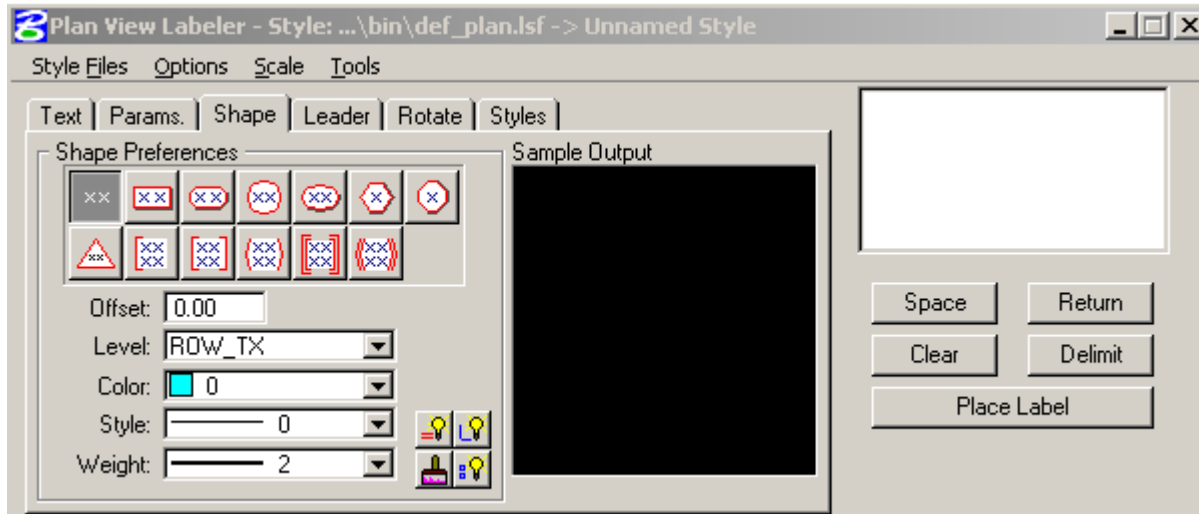
Parameters Tab

Once the data point has been placed, the label can be formatted. On the parameters tab, you can change the text size, line spacing, font, and symbology of the label. When you change these you can interactively see the changes in the view box on the labeler.



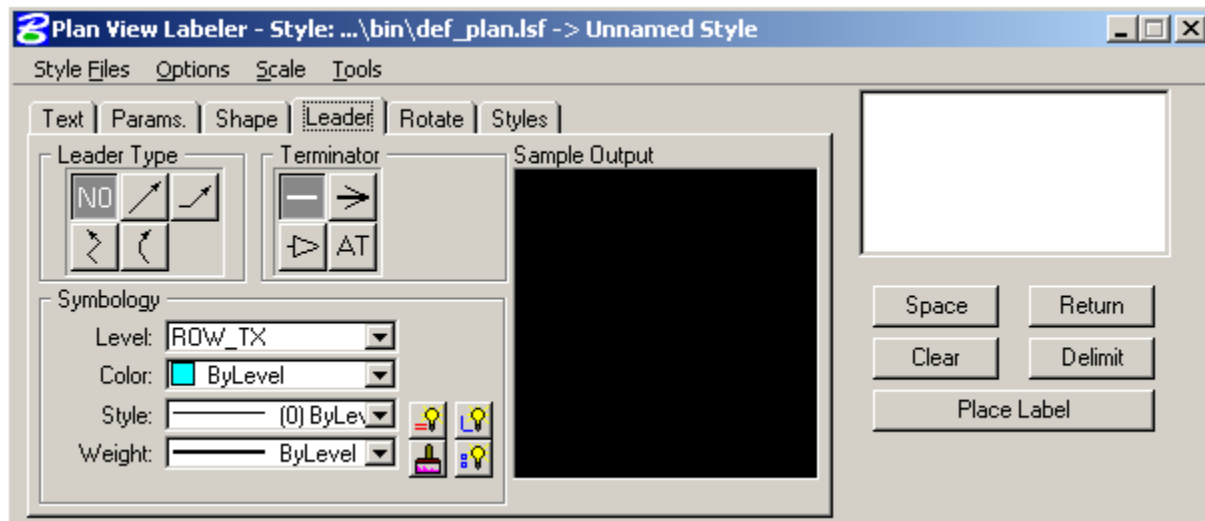
Shape Tab

The shape tab allows you to place a shape around your label. The shape offset is the distance from the label to the shape. You can also set the symbology of the shape from here.



Leader Tab

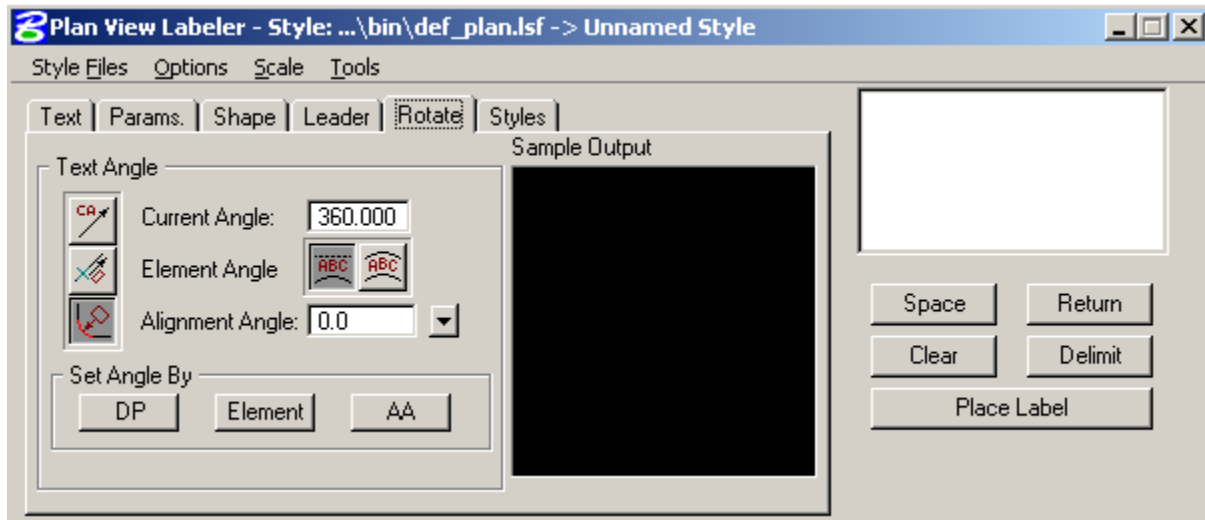
The leader tab allows you to choose the type of leader that will connect the label and the data point and also the type of terminator on the end of the leader. There are no leaders, straight line leaders, 3 point leaders, etc. The types of terminators include none, arrows of different types and active terminators(at).



Rotate Tab

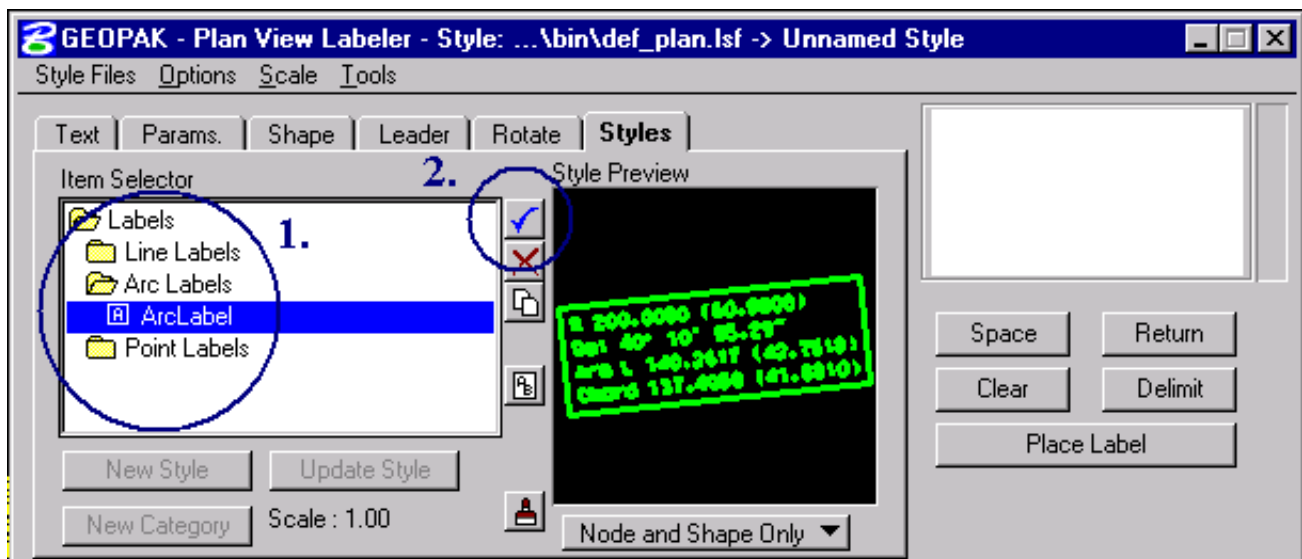
The rotate tab allows you to rotate the label several different ways: by the current angle that is set in Microstation, by an element angle, such as a line that is drawn in Microstation, or by an alignment angle that

will be drawn 0, 90, 180, or 270 degrees to the alignment. All of these can be set by the data buttons on the bottom.



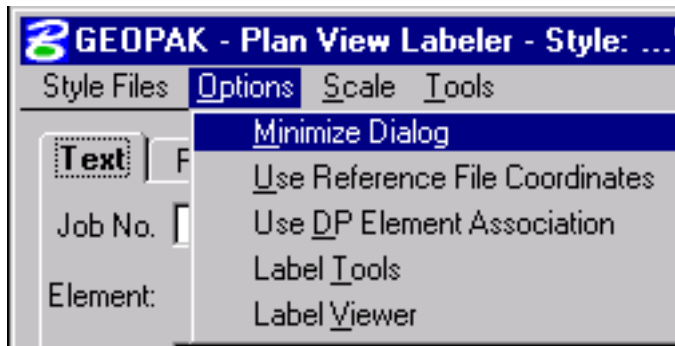
Style Tab

The style tab allows you to select other labels that might have been saved or ones that you would like to save for later use. You can add a style to the list and save the current label that you have set up. When you need it again at a later date, you can select it (1) and then hit the Check mark (2) to have it set up the the labeler.



Other Components

From the Dialog Options you have several other components to the labeler.



USE REFERENCE FILE COORDINATES

You can select to use the Reference File coordinates if you are in a file that has rotated the reference files. When you rotate and clip your plan profile sheets, the reference files are rotated. If you were in a wk*.dgn and a ROW marker was wrong, you can set the labeler to use the reference file coordinated and place a new label for the marker.

USE DP Element ASSOCIATION

If you select this option, it will associate the label with an element (ie. Line arc). You will then have the option later to automatically change the label if you modify or move the element.

LABEL TOOLS

The label tools are the tools that let you rotate the label, change the text size, place a data point, identify an element, edit a label, move a label, and extract a label to the labeler to change.



LABEL VIEWER

The label viewer allows you to see the label that you have created and are going to place. It also allows you to use the Automatic label. The automatic label lets you place labels on the fly. If you have the label filled out to place ROW markers, if you place the first one, then tentative and data on the next one, the label is placed for the next one. This will continue until you reset.



LABEL UPDATER

On the Tools menu you can go to the Label Updater. If you had the DP element association selected when you placed your label this tool will update any labels that are not up to date if you moved or modified an element that it was associated with. In the Selection by: put ALL LABELS and in the Highlight Labels Area:

CONTENT NEEDS UPDATING. When you hit the start button it will go to the first label that needs updating. You will then have the option to update that label or update all the labels that need updating.



Profile Labeler

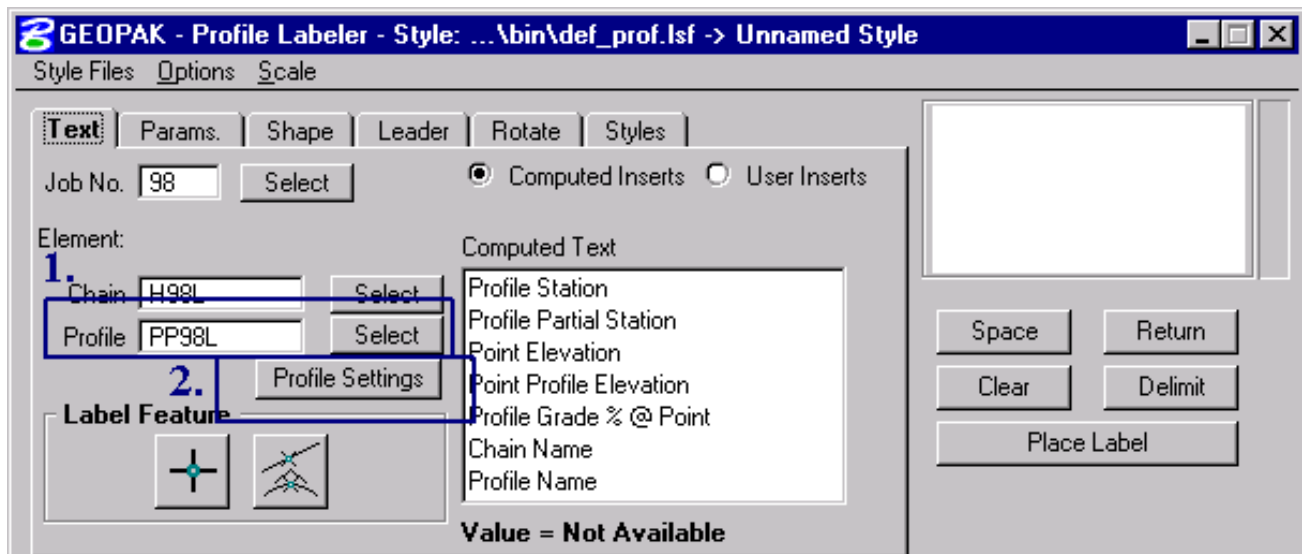
Instructions

Open the Profile Labeling dialog from the Applications>Geopak Road>Plans Preparation >Profile Labeling or if you have the Geopak Tools Palette select the icon for Profile Labeling.



Text Tab

This is the only difference in the profile labeler and the plan view labeling. On the profile labeler you have to fill in a profile (1) and then set the Profile settings (2). The profile settings are the same that you would have if you went into the D&C Manager and were plotting the profile. The inserts and the process is the same as the plan view labeler.



Cross Section Labeler

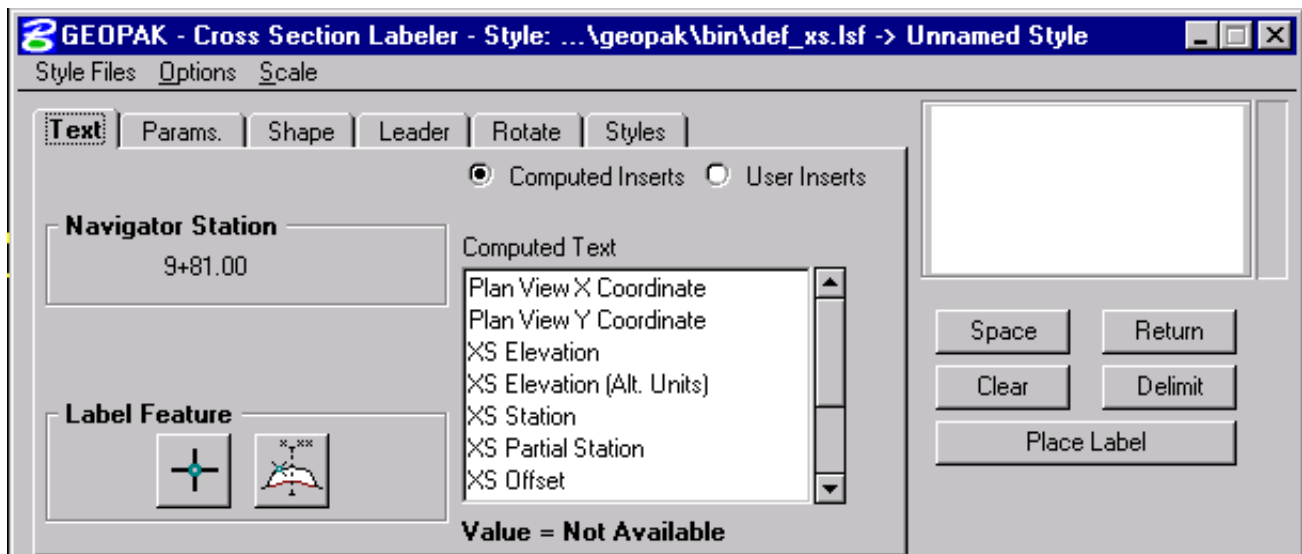
Instructions

Open the Plan View Labeling dialog from the Applications>Geopak Road>Cross Sections>Labeling or if you have the Geopak Tools Palette select the icon for Cross Section Labeling.



Text Tab

This is the only difference in the cross section labeler and the plan view labeling. Because you are in a x-section design file, the labeler scans the file and finds the x-section cells. The inserts and the process is the same as the plan view labeler. The other component that opens is the x-section navigator, this is discussed in the Cross Section Applications Help File.



Glossary of Terms

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